| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|----------------------------|---------------------|---------|--------------------|
| S1 | 155 | ((cellular cell) with array) and toxin and ganglioside | US-PGPUB; USPAT; EPO | OR | ON . | 2005/09/14 14:25 |
| S2 | 105 | ((cellular cell) with array) and toxin and ganglioside not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/22 19:31 |
| S3 | 134 | ((cellular cell membrane) with array) and toxin and ganglioside not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/23 18:50 |
| S6 | 10 | "6193951" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/23 15:33 |
| S7 | 14 | ((cellular cell membrane) near array) and toxin and ganglioside not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/23 18:42 |
| S8 | 2 | "6790632" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/23 18:42 |
| S9 | 231 | ((cellular cell membrane) with array) and ganglioside not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/23 18:50 |
| S10 | 0 | ((cellular cell membrane) with array) and ganglioside and microspot not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/23 18:50 |
| S11 | 88 | ((cellular cell membrane) with array) and ganglioside and spot not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/23 18:50 |
| S12 | 69 | ((cellular cell membrane) with array) and ganglioside and spot and label not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/24 17:44 |
| S13 | 0 | ((cellular cell membrane) with array) and ganglioside and spot and ((label labelled) near toxin) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/24 17:03 |
| S14 | 4 | ((cellular cell membrane) with array) and ganglioside and spot and ((label labelled) near target) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/24 17:04 |
| S15 | 65 | ((cellular cell membrane) with array) and ganglioside and spot and label and (toxin toxicity) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | - 2005/03/28 12:18 |

| | | <u> </u> | T | | | 7 |
|-----|-------------|--|----------------------------|----|-------------|------------------|
| S16 | . 0 | ((cellular cell membrane) with array) and ganglioside and spot and label and (toxin toxicity) and aminopropylsilane not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/28 12:31 |
| S18 | 0 | ((cellular cell membrane) with array) and ganglioside and spot and aminopropylsilane not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/28 12:31 |
| S19 | 38 | ((cellular cell membrane) with array) and ganglioside and spot and (polylysine polyethyleneimine chitosan) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/28 16:40 |
| S20 | 13 | "6150103" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/28 16:40 |
| S21 | 343 | aminopropylsilane | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/31 17:19 |
| S22 | 289 | aminopropylsilane not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/31 17:19 |
| S23 | 222 | aminopropylsilane not @ay>"2001" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/31 17:20 |
| S25 | 147 | aminopropylsilane and array not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/31 17:20 |
| S26 | 37 | (gamma near aminopropylsilane) and array not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/31 17:26 |
| S27 | 40 | (gamma near aminopropylsilane) and support not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/31 17:24 |
| S28 | 63 | (gamma near aminopropylsilane) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/03/31 17:26 |
| S29 | 4 | (membrane with array) and toxin and ganglioside and aminopropylsilane | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 14:27 |
| S30 | 67 | (membrane with array) and toxin and ganglioside and amine | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 14:27 |
| S31 | 43 | (membrane with array) and toxin and ganglioside and amine not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 15:36 |

| | | Y | , | | | |
|-----|------|--|----------------------------|----|----|------------------|
| S32 | 4 | (membrane with array) and toxin and ganglioside and (amine with (coating linker)) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 14:31 |
| S33 | 58 | ((lipid membrane) with array) and toxin and ganglioside and amine not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 14:31 |
| S34 | . 17 | "5518930" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 15:36 |
| S35 | 1 | "6699719" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 16:32 |
| S36 | 14 | "6150103" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 16:57 |
| S38 | 21 | "4933285" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:16 |
| S39 | 830 | amino with propyl with silane not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:27 |
| S40 | 157 | (aminopropylsilane) and binding not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:18 |
| S41 | 39 | (gamma with aminopropylsilane) and binding not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:26 |
| S42 | 34 | (gamma with aminopropylsilane) and immobilize not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:54 |
| S43 | 469 | (gamma with amino with propyl with silane) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:27 |
| S44 | 65 | (gamma with amino with propyl with silane) and array not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:27 |
| S45 | 6 | (gamma with aminopropylsilane) same coating not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 18:56 |
| S46 | 46 | (gamma with aminopropylsilane) same (coating treated treatment layer) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:16 |
| S47 | 87 | "5485277" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:18 |

| 4239 | (microporous nanoporous) with (substrate support) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:18 |
|------|--|--|---|---|--|
| 739 | binding and ((microporous nanoporous) with (substrate support)) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:18 |
| 613 | binding and membrane and ((microporous nanoporous) with (substrate support)) not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:21 |
| 184 | binding and membrane and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:27 |
| 12 | "6399232" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:25 |
| 4 | "6399202" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:25 |
| 618 | polymer and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:27 |
| 106 | polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:29 |
| 16 | polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:29 |
| 10 | (polymer same ((microporous nanoporous) with (substrate support))) and array and immobilization and lipid not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:29 |
| 73 | polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:36 |
| 21 | "5004543" | US-PGPUB; USPAT; EPO | OR | ON | 2005/09/14 19:56 |
| 14 | "6150103" | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/09 17:17 |
| | 739 613 184 12 4 618 106 16 73 | (substrate support) not @ay>"2002" binding and ((microporous nanoporous) with (substrate support)) not @ay>"2002" binding and membrane and ((microporous nanoporous) with (substrate support)) not @ay>"2002" 184 binding and membrane and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" 12 "6399232" 4 "6399202" 618 polymer and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" 106 polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 16 polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 70 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 73 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 73 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 73 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 73 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" | (substrate support) not @ay>"2002" binding and ((microporous nanoporous) with (substrate support)) not @ay>"2002" binding and membrane and ((microporous nanoporous) with (substrate support)) not @ay>"2002" 184 binding and membrane and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" 12 "6399232" US-PGPUB; USPAT; EPO 4 "6399202" US-PGPUB; USPAT; EPO 618 polymer and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" 106 polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 16 polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support))) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 73 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 73 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 73 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 21 "5004543" US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PAT; EPO | (substrate support) not (@ay>"2002" pinding and ((microporous nanoporous) with (substrate support)) not @ay>"2002" binding and membrane and ((microporous nanoporous) with (substrate support)) not @ay>"2002" list inding and membrane and ((microporous nanoporous) with (substrate support)) not @ay>"2002" list inding and membrane and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" list inding and membrane and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" list inding and membrane and ((microporous nanoporous)) with (substrate support)) and array not @ay>"2002" polymer and ((microporous nanoporous)) with (substrate support)) and array and immobilization not @ay>"2002" lof (polymer and ((microporous nanoporous)) with (substrate support)) and array and immobilization and lipid not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization and lipid not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization and lipid not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization and lipid not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization and lipid not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization and lipid not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization not @ay>"2002" lof (polymer same ((microporous nanoporous)) with (substrate support)) and array and immobilization not @ay>"2002" lof (polymer same (lof not @ay>"2002") lof | (substrate support) not @ay>"2002" 739 binding and ((microporous nanoporous) with (substrate support)) not @ay>"2002" 613 binding and membrane and ((microporous nanoporous) with (substrate support)) not @ay>"2002" 184 binding and membrane and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" 12 "6399232" 13 "6399232" 14 "6399202" 15 "6399202" 16 polymer and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" 16 polymer and ((microporous nanoporous) with (substrate support)) and array not @ay>"2002" 16 polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 16 polymer and ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 10 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization and lipid not @ay>"2002" 11 (polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization on @ay>"2002" 12 "5004543" 13 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 14 "6150103" 15 polymer same ((microporous nanoporous) with (substrate support)) and array and immobilization not @ay>"2002" 16 polymer same ((microporous nanoporous) with (substrate support)) and array and manoporous) with (substrate support) and array and manoporous) with (substrate support) and array and manoporous) with (substrate support) and array and manoporous) with (substr |

4/6/07 5:39:42 PM

| S61 | 1 | "6699719" | US-PGPUB; USPAT; EPO | OR | ON | 2006/01/09 17:17 |
|-----|------|--|----------------------------|----|----|------------------|
| S62 | 1803 | amine with coating and membrane | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 22:39 |
| S63 | 1514 | amine with coating and membrane not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 22:39 |
| S64 | 339 | amine with coating and membrane with immobilized not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 22:39 |
| S65 | 1 | "6699719" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:37 |
| S66 | 361 | aminopropylsilane not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:39 |
| S67 | 161 | aminopropylsilane and membrane not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:40 |
| S68 | 68 | aminopropylsilane and lipid and membrane not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:41 |
| S69 | 53 | gamma and aminopropylsilane and lipid and membrane not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:41 |
| S70 | 21 | gamma with aminopropylsilane and lipid and membrane not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:43 |
| S71 | 6 | gamma with aminopropylsilane and polyethyleneimine not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:48 |
| S72 | 21 | gamma with aminopropylsilane and lipid not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:48 |
| S73 | 36 | gamma with aminopropyl with silane and lipid not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:53 |
| S74 | 42 | gamma with aminopropyl with silane and polyethyleneimine not @ay>"2003" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:53 |
| S75 | 24 | "4933285" | US-PGPUB; USPAT; EPO | OR | ON | 2006/08/06 23:53 |

Page 5

| S76 | 87 | "4931498" | US-PGPUB; USPAT; EPO | OR | ON | 2007/04/05 16:49 |
|-----|----|---------------|----------------------------|----|----|------------------|
| S77 | 8 | "20040002064" | US-PGPUB; USPAT; EPO | OR | ON | 2007/04/05 18:47 |